HYT

Professional Two-way Radio

TC3000/TC3600

Six Super Function



Message Function

Endowed with special English Display, TC3600 has message function which can be sent via control centre.



Vibration

Vibration reminds user that 2 tone signalling comes in besides siren.

Upgradable Software

Software can be upgraded to MPT1327 signaling, you no need to re-buy new radio just through upgrading software to increase function.



Emergency Siren/ANI

The radio can be programmed to sound emergency siren or ANI. When the emergency siren/ANI is enabled, the radio will transmit emergency ANI and then sound continuously at highest volume.



Patrol Record

Patrol Record function enables safeguard person to know other patrol colleague's ID, place , time and other info.

Recording

Automatic record coming voice via 2 tone signaling or pressing the button.

TC3600



TC3000/TC3600 Technology Feature

- 4 Or 5 w Power Output ,Range UpTo 6 Km
- Conventional and Trunked (MPT1327) Modes
- Voice Compander , Clear & Crisp
- Emergency Siren & Emergency ANI Transmission
- CTCSS,CDCSS,DTMF,2Tone,5Tone
- Digital Potentiometer Controls Parameters & Specification
- Special ESD Design Ensure Anti-Static Shock Up To 8KV I
- Flash Memory, Software Can Be Upgraded

TC3000/TC3600 Structure Feature

- Palm Size , Compact & Rugged
- Meet MIL-STD-810C/D/E & IP54
- More Sensitive Controls Even With Gloves
- Pin-style Headset Structure Enables Better Water-Proof Function.
- Compact Li-ion Batteries Ensure Slimmer, Lighter Radio. High Volume Li-ion Batteries (1700mAh) Long For 14 Hours Working Performance.
- Factory Buit-in Serial Number
- Programmable Keyboard
- Tri-color LED Indicator
- High Quality Audio Output

TC3000/TC3600 Outlook Feature





TC3000/TC3600 Main Function

Emergency Siren/ANI

The radio can be programmed to sound emergency siren/ANI. When the emergency siren/ANI is enabled, the radio will transmit emergency ANI OR sound continuously at highest volume.

Programmable Function Keys

3 programmable keys provide almost any radio feature tailored to your need.

Built-in 2 Tone or 5 Tone Encode and Decode

The encoder and decoder functions offer a 2-tone or 5 tone paging code assignable to any channel. An incoming message is signaled with audible alerts.

Built-in CDCSS/CTCSS

Built-in CDCSS / CTCSS help to segregate talk groups so users only hear traffic from other co-groups users in their own group . This helps to reduce confusion and keeps the lines of communication clear (conventional mode).

Adjustable Output Power

To extend the radio working time, TC3000/TC3600 is able to adjust power output when communication range is close. You just press programming key, then out-put power will be lower to save energy.

Time Out Timer (TOT)

If the transmission exceeds preset time, transmission will be stopped. This feature is used to prevent one from using the same channel for a long time and also avoid damage radio caused by long-time transmission.

Priority Channel Scan

Channel Scanning provides users with an easy way to monitor multiple channels for activity . Priority Scan enables the radio to automatically check for activity on an important main channel during the channel scan sequence and while receiving a call on another non priority channel.

Nuisance Delete

Nuisance delete feature allows you to temporarily delete an unwanted channel from the scan list.

Busy Channel Lockout

Avoid interference with the users using the same channel by preventing transmission if another talk group is already on the air.

Repeater/Talk Around

When the repeater doesn't work or you are out of the communication range of the repeater and within the communication range of your group member, you can bypass the repeater and talk directly to your group member.

A New Intelligent Ra

TC3000/TC3600 Applications



Police: Small,powerful and easy operated radios are very popular by policemen as they always carry gun, handcuffs, baton and radio which are excessive and too heavy. TC3000/TC3600 only has around 300 gram with palm size but endowed with best function and quality. So TC3600 will be your best helper as a new powerful English display radio.





Trunking System: TC3000/TC3600 can be upgraded to MPT1327 radio which has 128 channel, divided to 8 zones, 16 channels each zone. Alias in each channel can be display by frequency, number and name & group so that user can recognise caller. Now TC3000/TC3600 trunking radios were widely used in large-scale activities, for example, in Nanning East-expo, they covered all the exhibition communication and Won the reputation by the Organizer and sponsor .



Voice Operated Transmit (VOX)

Plug an earphone with VOX feature into the radio to enable VOX. It enables you to free your hands and talk without pressing PTT button.

MSK Wireless Clone

MSK wireless clone function enables all programming parameters to transmitting from one radio to another. In that case , wireless clone time can be shorten and enhance working efficiency.

Selectable Channel Spacing

25KHz /12.5 Khz compatible. 25KHz channel spacing can be switch to 12.5KHz via programming the radio to save buying new one.

Upgradable Software

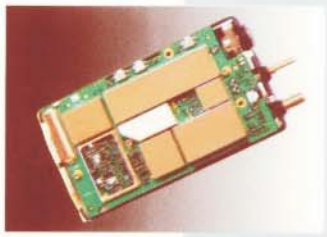
Software can be upgraded when new functions added . You no need to re-buy new radio just through upgrading software to increase function.

Built-in Modem

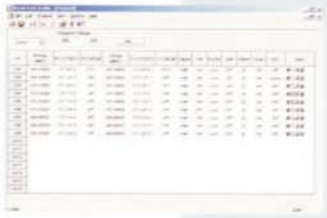
The built-in 1200/2400bit/s MSK modulator offers data transmission function.

Recording

Automatic record coming voice via 2 tone signaling or pressing the button.



Shield Protection



Programming



Frost Test



Railway Application

adio



Mission Critical: TC3000/TC3600 static vibration alarm function is very suitable to apply in the noisy environment especially when fire & medical mission critical occur. Even through fire burn and altitude falling TC3000/TC3600 still maintain the perfect outlook and excellent quality.

Hotel Application: Professional ergonomic design enable TC3000/TC3600 to operate easily and conveniently. Palm size and light weight makes no difference when staff carry TC3000/3600 around the waist , so it can help staff to handle various critical mission.

TC3600 Extra Function

LCD Display

128×32 Lattice alphanumeric Display . Selectable English & Chinese language. User-friendly icons provide clear, easy-to-read indicators, including : Zone, Talkgroup , channel indicator, battery gauge , radio signal strength indicator(RSSI) .



Radio Password

This radio offers password protection feature. Password will appear on LCD after power on if password is set in your radio. The radio enters conventional mode after entering 1-8 digit password.



128 Channels

128 Channels , divided into 8 zones, 16 channels per zone. Provide more efficiency for each talk group.



Channels Alias

Name for each channel can be used by frequency or number or name of person , group or team for better identification .



Menu Operation

Personalized menu make setting function and parameters easily and comfortably per user requirements.



Radio Signal Strength Indicator(RSSI)

Displays radio's signal and strength levels at a glance.



Battery Gauge

Indicates battery strength levels for more effective power management.



Static Vibration Reminder

Vibration reminds user that 2 tone signalling comes in besides siren.

Accessories

Standard Accessories


Rapid Charger
HC3000Li


Li-ion Battery
TB-64 7.2V 1700mAh


Antenna


Adapter PDS-268
(90-260V 12V 1000mA)


Belt Clip

Optional Accessories


Remote Speaker Microphoe
SM-06Z


Leather Case
CA-3000A


Leather Case
CA-3600A


Headset
EC-N1


Headset
158Z-G-P


Headset
EH-N1


Headset
158Z-S-P


Multi-charger
MC-3000Li

General

Specification	VHF/UHF
Frequencies	VHF:136-162MHz 145-175MHz UHF:350-390MHz 400-430MHz 440-470MHz
Channel Capacity	16（TC3000）/16×8（TC3600）
Channel Spacing	12.5KHz/25KHz
Freq. Stability（-30~+60℃，+25℃ Ref）	2.5ppm
Input/Output Impedence	50Ω
High Capacity Li-ion Battery	7.2V/1700mAh
Dimensions (Without Antenna):	105.5×56.7×32(mm)（TC3000）/105.5×56.7×34(mm)（TC3600）

Receiver

Specification	VHF/UHF
Sensitivity	0.25uV（W）/0.35uV（N）
Selectivity	70dB（W）/60dB（N）
Intermodulation	65dB
Spurious Rejection	70dB
S/N	45（W）/40 dB（N）
Audio Distortion	5%（W）/5%（N）@500mW

Transmitter

Specification	UHF/VHF
Power	UHF:4W（H）/1W（L） VHF:5W（H）/1W（L）
Modulation	16K0F3E/11K0F3E
Spurious & Harmonics	-70 dB
Audio Distortion	3%（W）/5%（N）

• Specification are subject to change without notice and range will vary depending on the geography and surrounding environment .

MIL-STD-810C/D/E

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures
Low Pressure	500.1/ Procedure I	500.2/ Procedure I	500.3/ Procedure I,II
High Temperature	501.1/ Procedure I,II	501.2/ Procedure I,II	501.3/ Procedure I,II
Low Temperature	502.1/ Procedure I	502.2/ Procedure I,II	502.3/ Procedure I,II
Temperature Shock	503.1/ Procedure I	503.2/ Procedure I	503.3/ Procedure I
Solar Radiation	505.1/ Procedure I	505.2/ Procedure I	505.3/ Procedure I
Rain	506.1/ Procedure I,II	506.2/ Procedure I,II	506.3/ Procedure I,II
Humidity	507.1/ Procedure II	507.2/ Procedure II	507.3/ Procedure II
Salt Fog	509.1/ Procedure I	509.2/ Procedure I	509.3/ Procedure I
Dust	510.1/ Procedure I	510.2/ Procedure I	510.3/ Procedure I
Vibration	514.2/ Procedure VIII,X	514.3/ Procedure I	514.4/ Procedure I
Shock	516.2/ Procedure I,II,V	516.3/ Procedure I,IV	516.4/ Procedure I,IV

Your Local Dealer

• HYT retains right to change the product design and specification. Should any printing mistake occur, HYT does not bear relevant responsibility . Little difference between real product and product indicated by printing materials will occur by printing reason.

Shenzhen HYT Science & Technology Co., Ltd.

Shenzhen Hi-Tech Industrial Park North,Beihuan Rd., Nanshan District,Shenzhen, China

Tel: +86-755-26972999 Fax: +86-755-86137999

HYT is the registered trademark of Shenzhen HYT Science & Technology Co., Ltd.

© **2004 HYT Co.,Ltd** All Rights Reserved.

Http://www.hyt.com.cn

ISO9001:2000 *Certificate* NO:**FM** 61540

2111003A